

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 07085890  
PUBLICATION DATE : 31-03-95

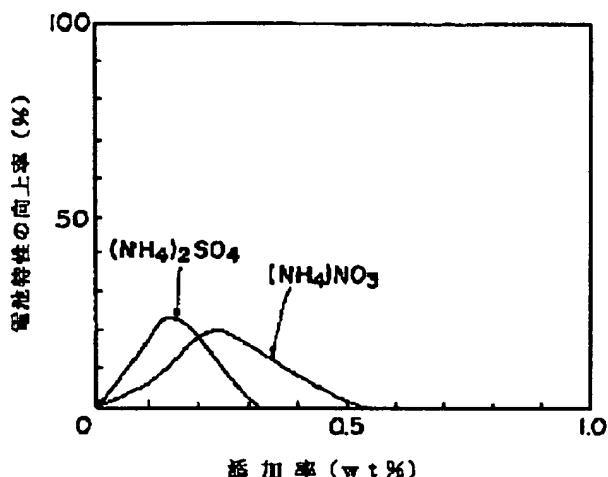
APPLICATION DATE : 17-09-93  
APPLICATION NUMBER : 05230668

APPLICANT : FUJI ELELCROCHEM CO LTD;

INVENTOR : NAGURA HIDEAKI;

INT.CL. : H01M 10/40 H01M 4/02

TITLE : LITHIUM SECONDARY BATTERY



ABSTRACT : PURPOSE: To improve the battery characteristic (capacity, cycle characteristic, high-current-density resistance, high-operating-voltage resistance) of lithium secondary battery.

CONSTITUTION: As a positive electrode of a lithium secondary battery, lithium- metal compound oxide, to which nitrate or sulfate at 1% or less of weight ratio is added, is used. Negative ion of nitrate or sulfate ( $\text{NO}_3^-$  or  $\text{SO}_4^{2-}$ ) is left in the lithium-metal compound oxide to separate the interface. Contact of the active material with the electrolyte is thereby hindered to prevent the decomposition of the electrolyte, and the battery characteristic is improved.

COPYRIGHT: (C)1995,JPO

REST AVAILABLE COPY